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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Dock t Numb r	45419
	First Named Inventor	ZOU, Jitao et al.
	COMPLETE IF KNOWN	
	Application Number	10/088,079
	Filing Date	March 21, 2002
	Art Unit	
	Examiner Name	

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TRANSGENIC MANIPULATION OF SN-GLYCEROL-3-PHOSPHATE AND GLYCEROL PRODUCTION WITH A FEEDBACK DEFECTIVE GLYCEROL-3-PHOSPHATE DEHYDROGENASE GENE

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

09/21/2000

as United States Application Number or PCT International

Application Number **PCT/CA00/01096** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.


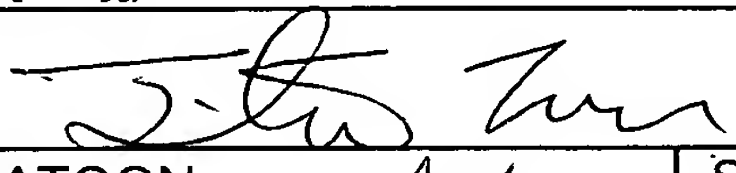
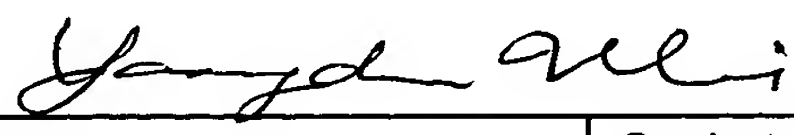
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

PTO/SB/01 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label			OR <input type="checkbox"/>	Correspondence address below	
Name		EDWIN J. GALE					
Address		KIRBY EADES GALE BAKER BOX 3432, STATION D					
City		OTTAWA		State		ONTARIO	
Country		CANADA		Telephone		(613) 237-6900	
				Fax		(613) 237-0045	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Jitao				ZOU			
Inventor's Signature				Date			
				April 24, 2002			
Residence: City		State		Country		Citizenship	
SASKATOON		Saskatchewan		CANADA		CA	
Mailing Address							
1619 ACADIA DRIVE							
City		State		ZIP		Country	
SASKATOON		Saskatchewan		S7H 5K7		CANADA	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Yangdou				WEI			
Inventor's Signature				Date			
				April 25, 2002			
Residence: City		State		Country		Citizenship	
SASKATOON		Saskatchewan		CANADA		CA	
Mailing Address							
1514 MAIN STREET, APT. 8							
City		State		ZIP		Country	
SASKATOON		Saskatchewan		S7J 4C3		CANADA	
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>1</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven Name
CyrilFamily Name
or Surname
PERIAPPURAMInventor's
SignatureCyril PeriappuramDate
April 26, 2002Residence: City SASKATOON
AMES IAState SK
IACountry CANADA
USACitizenship
CAMailing Address
101-536 4th AVENUE NORTH
2804 STANGE ROAD APARTMENT 2 AMES IA 50010Mailing Address
2238 MOLECULAR BIOLOGY BUILDING
IOWA STATE UNIVERSITYCity SASKATOON
AMESState SK
IAZIP S7K 2M7
50011-3260Country CANADA
USA

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven Name
GopalanFamily Name
or Surname
SELVARAJInventor's
SignatureGopalan SelvarajDate
April 24
2001Residence: City SASKATOON
CAState SK
IACountry CANADACitizenship
CAMailing Address
540 NESSLIN CRESCENT

Mailing Address

Mailing Address

City SASKATOONState SKZIP S7J 4V5Country CANADA

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven Name
RajuFamily Name
or Surname
DATLAInventor's
SignatureRaju Datla

Date

Residence: City SASKATOON
CAState SKCountry CANADACitizenship
CAMailing Address
422 TENNANT WAY

Mailing Address

Mailing Address

City SASKATOONState SKZIP S7H 5C4Country CANADA

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	45419
	First Named Inventor	ZOU, Jitao et al.
	COMPLETE IF KNOWN	
	Application Number	
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	Examiner Name	

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09/21/2000

as United States Application Number or PCT International

Application Number **PCT/CA00/01096** and was amended on (MM/DD/YYYY) (if applicable).

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number or Bar Code Label ☐ OR ☐ Correspondence address below

EDWIN J. GALE - KIRBY EADES GALE BAKER
Name

Address BOX 3432, STATION D

OTTAWA	ON	K1P 6N9
City	State	ZIP
CANADA	(613) 237-6900	(613) 237-0045
Country	Telephone	Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : ☐ A petition has been filed for this unsigned inventor

JITAO	ZOU
Given Name (first and middle [if any])	Family Name or Surname

SASKATOON	SK	CANADA	CA
Residence: City	State	Country	Citizenship

Mailing Address 1619 ACADIA DRIVE			
SASKATOON	SK	S7H 5K7	CANADA
City	State	ZIP	Country

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

WEI	YANGDOU
Given Name (first and middle [if any])	Family Name or Surname

SASKATOON	SK	CANADA	CA
Residence: City	State	Country	Citizenship

Mailing Address 1514 MAIN STREET, APT. 8			
SASKATOON	SK	S7J 4C3	CANADA
City	State	ZIP	Country

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
PERIAPPURAM		CYRIL	
Given Name	Family Name or Surname		
Inventor's Signature	SK	CANADA	Date
SASKATOON	State	Country	CA
Residence: City	101-536 4th AVENUE NORTH		
Mailing Address			
Mailing Address			
SASKATOON	SK	S7K 2M7	CANADA
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
SELVARAJ		GOPALAN	
Given Name	Family Name or Surname		
Inventor's Signature	SK	CANADA	Date
SASKATOON	State	Country	CA
Residence: City	540 NESSLIN CRESCENT		
Mailing Address			
Mailing Address			
SASKATOON	SK	S7J 4V5	CANADA
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
DATLA		RAJU	
Given Name	Family Name or Surname		
Inventor's Signature	SK	CANADA	Date
SASKATOON	State	Country	CA
Residence: City	422 TENNANT WAY		
Mailing Address			
Mailing Address			
SASKATOON	SK	S7H 5C4	CANADA
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	ZOU, Jitao et al.
Title	TRANSGENIC MANIPULATION...
Group Art Unit	
Examiner Name	
Attorney Docket Number	45419

I hereby appoint:

☐ Practitioners at Customer Number

Place Customer
Number Bar Code
Label here

☒ Practitioner(s) named below:

Name	Registration Number
Edwin J. Gale	28,584
Norris M. Eades	25,263
John A. Baker	26,656
Kimberley A. Lachaine	33,319

Robert K. Feutlinske 37,994
as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all
business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

Place Customer
Number Bar Code
Label here

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Edwin J. Gale				
Address	Kirby Eades Gale Baker				
Address	Box 3432, Station D				
City	Ottawa	State	Ontario	Zip	K1P 6N9
Country	CANADA				
Telephone	(613) 237-6900	Fax	(613) 237-0045		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	
Signature	
Date	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/088,079
Filing Date	March 21, 2002
First Named Inventor	ZOU, Jitao et al.
Title	TRANSGENIC MANIPULATION...
Group Art Unit	
Examiner Name	
Attorney Docket Number	45419

I hereby appoint:

☐ Practitioners at Customer Number

OR

☒ Practitioner(s) named below:

Name	Registration Number
Edwin J. Gale	28,584
Norris M. Eades	25,263
John A. Baker	26,656
Kimberley A. Lachaine	33,319

Robert K. Feutlinske 37,994
as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

OR

☒ Firm or
Individual Name

Edwin J. Gale

Address

Kirby Eades Gale Baker

Address

Box 3432, Station D

City

Ottawa

State

Ontario

Zip

K1P 6N9

Country

CANADA

Telephone

(613) 237-6900

Fax

(613) 237-0045

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Pat Mortimer, Secretary General

Signature

P. Mortimer

Date

23 April 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ *Total of _____ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: NATIONAL RESEARCH COUNCIL OF CANADA
Application No./Patent No.: 10/088,079 Filed/Issue Date: March 21, 2002
Entitled: TRANSGENIC MANIPULATION OF SN-GLYCEROL-3-PHOSPHATE AND GLYCEROL...
National Research Council of, a Government Agency
Canada (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

23 April 2002
Date

Pat Mortimer

P. Mortimer
Typed or printed name

Signature

Secretary General

Title

COPY

45419

U.S. ASSIGNMENT
NEW DES/PAT APPLICATION
INDIVIDUAL(S) TO CO/IND

I/WE, Jitao ZOU of 1619 Acadia Drive, Saskatoon, Saskatchewan S7H 5K7, CANADA;
Yangdou WEI of 1514 Main Street, Apt. 8, Saskatoon, Saskatchewan S7J 4C3, CANADA;
Cyril PERIAPPURAM of ^{Apt # 2, 2804 Stange Road, Ames, Iowa, 50010, USA} 101-536 4th Avenue North, Saskatoon, Saskatchewan S7K 2M7,
CANADA; Gopalan SELVARAJ of 540 Nesslin Crescent, Saskatoon, Saskatchewan S7J 4V5,
CANADA and Raju DATLA of 422 Tennant Way, Saskatoon, Saskatchewan S7H 5C4,
CANADA

(name and address of assignor(s))

in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, do hereby sell and assign to:

NATIONAL RESEARCH COUNCIL OF CANADA of 1200 Montreal Road,
Ottawa, Ontario K1A 0R6, CANADA

(name and address of assignee)

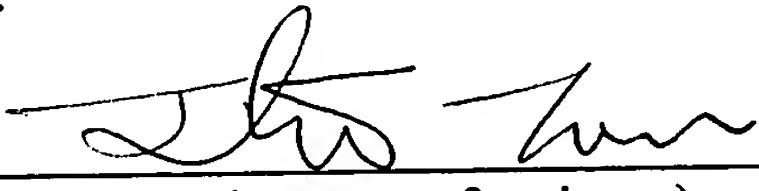
hereinafter called the assignee, the entire right, title and interest in and to the invention entitled
**TRANSGENIC MANIPULATION OF SN-GLYCEROL-3-PHOSPHATE AND GLYCEROL
PRODUCTION WITH A FEEDBACK DEFECTIVE GLYCEROL-3-PHOSPHATE
DEHYDROGENASE GENE**

as disclosed in the United States patent application executed concurrently herewith, and in and to said United States patent application, and in and to any division, continuation or continuation-in-part of said application, and in and to any and all Letters Patent and reissues and extensions thereof, in and for the United States, Canada, and all other countries, the same to be held and enjoyed by the said assignee, its successors, assigns, or legal representatives to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made.

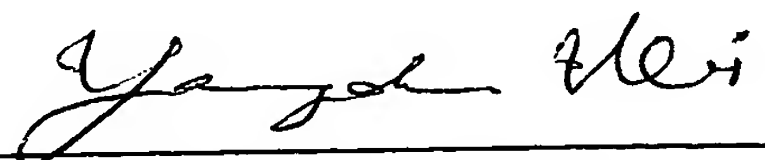
SIGNED at Saskatoon, SK and Ames, Iowa

this _____ day of _____.

Date : April 24, 2002
Witness : Charlotte Stue
Address : 1410 Cumberland Ave S.
Saskatoon, SK
S7H 2M1


(signature of assignor)
Jitao ZOU

Date : April 25, 2002
Witness : Charlotte Stue
Address : 1410 Cumberland Ave S.
Saskatoon, SK S7H 2M1


(signature of assignor)
Yangdou WEI

Date : APRIL 26 2002

Witness : K. Bak Brachiola

Address : 3800 Phoenix
Ames, IA, USA
50011

Cyril Periappuram
(signature of assignor)
Cyril PERIAPPURAM

Date : April 24, 2002

Witness : Charlotte Atus

Address : 1410 Cumberland Ave S.
Saskatoon, SK
S7H 2M1

Gopalan Selvaraj
(signature of assignor)
Gopalan SELVARAJ

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Saskatoon, SK
S7H 2M1

Raju Datla
(signature of assignor)
Raju DATLA